

Fertilizer on stubble crops

Profitable increases in yield of cereal crops grown on stubble might be expected from rains as high as 30 lb. of nitrogen and 10 lb. of phosphorus per acre under climatic conditions similar to those which occurred in 1933 and 1934. This is indicated in tests conducted at a number of points in the black and new sward by the Lacombe Experimental Farm reports S. H. Church. Four rates of nitrogen, 0, 20, 40 and 60 lb. per acre, were used in combination with four rates of phosphorus at 0, 10, 20 and 40 lb. per acre. The response to the various treatments in the two years was similar. In general the greatest yield response resulted from nitrogen which gave an average increase from all treatments of 11.8 bushels per acre as compared to 5.1 bushel per acre average increase from all treatments with phosphorus. Maximum returns per dollar spent for nitrogen occurred between the 20 and 40 lb. rate. However, even the 60 lb. rate was profitable and further increases in yield might be expected at even higher rates of application before the cost of nitrogen would equal the value of the increased yield. In these tests, applications of phosphorus failed to produce profitable increases beyond the 10 lb. per acre level.

Summerfallowing is widely used as a method of maintaining yield, as it aids in the storage of moisture and in the build-up of plant food through the decomposition of plant residues and organic matter. However, summerfallowing is expensive and wasteful due to the loss of a crop for that year, the loss by leaching of part of the plant nutrients released during the year and the depletion of available matter. Applications of suitable commercial fertilizers may present an alternative to summerfallowing as a means of maintaining the yield of cereal crops grown on stubble.

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Helpful Hints

When you buy hard surface flooring materials such as linoleum, asphalt tile and rubber tile, remember that these materials with a high gloss finish are more difficult to keep looking clean and polished than those with the dull finish.

Small splices in wood table tops, can often be fixed with a plastic wood filler. Larger splices should be cut out in a wedge-shaped section and then filled by gluing in a piece of wood that just fills the opening.

When arranging flowers, a flower holder really does much for any arrangement. To make your own, use the bottom of your favorite bowl pour melted paraffin, then make the desired number of holes in the wax before it is set with a fine nail, pencil or fairly good sized knitting needle.

A tasty upside down cake can be made by pouring a white cake mix batter over a mixture of applesauce, coconut, light raisins, brown sugar and butter.

Progress made in leprosy cases

Great progress has been made in treatment of leprosy, says Dr. Garand Hattman, chief medical officer at the Fiji Leprosy Hospital in Malaga.

Native of Chesapeake, B.C., Dr. Hattman said at a visit in his home that his experience have been made in limiting injury through the use of sulphur, borax and physiotherapy, which helps prevent muscular atrophy.

At the Malaga Hospital there are 500 leprosy patients. Last year 100 were discharged, and only 20 new patients were admitted. "This definitely indicates that modern treatment is producing cures," he said. "At one time there were 700 patients at the hospital."

Your neighbor who solicits your financial support for the Canadian Red Cross is a volunteer. 254

Italy patches ruins of ancient Rome

Rome's ancient monuments are being battered and broken against the most insidious enemy they have had to face in their centuries of existence—modern traffic.

Cars, trucks, and other motor vehicles are believed to have caused more damage to such monuments as the Colosseum and the Arch of Constantine than all the invasions of vandals, Goths, and other barbarian pill together.

Parts of the Colosseum, one of the world's most majestic relics of the Roman Empire, today are scattered behind square standing and iron scaffolding while specialized workers inspect 300 more years of safe life into the giant ruins of the huge stadium.

Blocks of stone cradling down from the top of the 387-foot-high eastern curve of the Colosseum warned Romans some time ago that something must be done. Experts decided that the vibrations caused by the thousands of vehicles which every day roar around the Colosseum, rising in what is today one of Rome's busiest intersections, were loosening its mighty Doric, Ionic, and Corinthian columns.

Unless these columns were strengthened by new iron bracing, they would collapse with it, and when Rome fell, the world would fall with it.

They reminded the city council to take the dark days of the prophecy in the Middle Ages that when the Colosseum collapsed, Rome would collapse with it, and when Rome fell, the world would fall with it.

At a cost of approximately 100,000,000 lire (about \$150,000), the first phase of an extensive reinforcement of the monument has been progressing rapidly. Huge iron braces, fitted to the walls of the Colosseum in the 19th century, which give the monument an appearance of being safety-pinned together, are being carefully replaced. Instead, steel braces are to be fitted to the interior of the walls.

Apart from strengthening the walls, this will improve the face of the monument. "We think the monument will have a rejuvenated appearance once the work is completed," the specialists declare.

Intensely, the ruins are being reinforced with lengths of steel drilled into the blocks of travertine, the porous rock of which the Colosseum was largely built. Another great danger to the monument is the restriction of heavy traffic in the immediate vicinity of the Colosseum.

The amphitheatre, started by the Emperor Vespasian in 79 A.D. and opened by his son and successor, Titus, 80 years later, was used until the sixth century for gladiatorial games and mock animal battles. Legend has it that Christians were also thrown to the lions in this arena.

Until comparatively recently, the Colosseum was cut off from the regions of modernization because it was hemmed in by old houses and narrow, crooked roads.

When Mussolini tore down the old quarter of Rome and built a wide thoroughfare, the "Imperial Way", cutting through the ancient Roman forum, he provided Romans and tourists with a magnificent, undisturbed view of the Colosseum in all its grandeur. But he also exposed the venerable monument to the deep wounds inflicted by intense traffic.

New Look for Juniper Roots

Alberta's Rancher-Sculptor



The wayward juniper root is a challenge to any cutting edge. Hodgson designed and made his own tools from old machinery, keeps them razor-sharp on the ranch grindstone.

"Fashioned by nature, finished by man" is the way Hodgson describes his moodily-beautiful wood carvings which have been well received by Canadian art circles and the buying public.



Hodgson's medium is the gnarled juniper root which he rider the range, far and wide, to secure. After 25 years of carving, his search for material takes him many hundreds of miles afield into the crooked draws of the

benetone hills. Out of a twisted, tortured man, will emerge the artist's free-flowing carvings: willowy women, mysterious androgynous—each a gem of lyrical, though sometimes weird, loveliness.



Prize sculptor, Wilfred Garstrong Hodgson, who turned to wining in slim depression times and today command top prices for his wood carvings, is a superb craftsman with an unerring instinct for the artistic. Self-taught,

he soon uncovered a secret of history's sculptural greats: the artist should not attempt to impose his will upon his medium, but be content merely to release the form locked within the slab of marble, the block of wood.



From the clay hills back of his ranchhouse, Hodgson looks down over his 2600-acre ranch near Drumhury, Alberta on the Red Deer River. Sage and cactus and the slopes, cottonwoods fringe the riverbank. Hodgson came

to Canada from England when he was 11, worked as a truck-rider in wild west shows before settling down to the life of a rancher-sculptor.

National Film Board of Canada Photos by Richard Harrington

RAINY DAYS IN RUSSIA—Yes, this is Russia. Looking more like Miami Beach than the frozen wastes usually pictured, the bright sunshine complements this charity bazaar, started from Moscow. The belongs to members of the privileged class who can afford an expensive holiday at Sochi, a fashionable Black Sea resort. The photograph is from a recent issue of Look magazine.





Canadian Weekly Features



THE QUIET and efficient atmosphere, pictured above at a regular Canadian citizens and Red Cross volunteer workers who contribute mobile clinic centre, is typical of the many thousand thoughtful toward the success of Red Cross Blood Donor Clinics.



THIS IS BUT ONE of the more than 36,000 volunteers who constant supply, thus guaranteeing that this life-saving fluid will be donated their blood to the Saskatchewan Red Cross last year. Active available should they ever be in need of it themselves. Blood donors realize that by lending their blood now, they will insure a



MANY THOUSANDS of Canadian citizens visit regular blood blood count is carefully checked, before he is allowed to donate his donor clinics to volunteer their blood, in order that others might have blood, to ensure that he is not anemic. A better chance to survive serious illness or accidents. The donor's



HERE, RED CROSS Blood Transfusion Service personnel are seen replenishing the main blood bank with fresh blood received from a recent clinic. Here the blood is stored under a proper temperature, and the process of testing this blood, to the hospital's, commences the same day it is placed in storage. Fresh blood must be collected each week of the year. As the blood is being tested, the process of separating plasma, throughout the process, is being planned in order to maintain a constant weekly supply.



MANY OF THE LARGER HOSPITALS have invested in necessary refrigeration, as shown above, to maintain proper conditions for keeping blood after it has been shipped from the Red Cross, and until it is used by the patient.



Your Saskatchewan Red Cross must raise \$75,300 dollars during its March campaign for funds, this year, in order to carry on the Free Blood Transfusion Service, and many other vital Red Cross services.



SPECIALLY CONSTRUCTED Red Cross Blood Transfusion Service vehicles are essential to the efficient and safe handling of human blood. A thermostatically controlled refrigeration unit is required to transport the blood received at regular clinics from rural areas to the main blood banks.



THIS YOUNG LAD is typical of the more than 14,000 patients who received one or more free blood transfusions, in Saskatchewan, last year. He is the recipient of blood which has been loaned to him from a volunteer Red Cross Blood donor. This boy, who is a patient in the Junior Red Cross Hospital, in Regina, is being given a better chance to overcome his serious illness, through the skill of his doctor, and the gift of a blood donor.

